Chemical Names

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This is a table relating obsolete chemical names to their more modern forms. Corrections/additions gratefully received at above email address.

Acetone	Dimethyl ketone, 2-propanone	$OC(CH_3)_2$
Acid of sugar	Oxalic acid	$H_2C_2O_4•H_20$
Acid potassium sulphate	Potassium bisulphate	$KHSO_4$
Ackey	Nitric acid	HNO_3
Alcali volatil	Ammonium hydroxide	NH_4OH
Alcohol sulphuris	Carbon disulphide	CS_2
Alcohol, grain	Ethyl alcohol (ethanol)	C_2H_5OH
Alcohol, wood	Methyl alcohol (methanol)	CH_3OH
Alum	Aluminum potassium sulfate	$AlK(SO_4)_2•12H_2O$
Alumina	Aluminum oxide	Al_2O_3
Alundum	Fused aluminum oxide	Al_2O_3
Ammonia	Ammonium hydroxide	NH_4OH
Antichlor	Sodium thiosulfate	$Na_2S_2O_3•5H_2O$
Antimony black	antimony trisulphide	Sb_2S_3
Antimony bloom	antimony trioxide	Sb_2O_3
Antimony glance	antimony trisulphide	Sb_2O_3
Antimony red	antimony oxysulphide	$Sb_2S_3 + Sb_2O_3$
Antimony vermillion	antimony oxysulphide	$Sb_2S_3 + Sb_2O_3$
Aqua ammonia	Ammonium hydroxide solution	$NH_4OH + H_20$
Aqua fortis	Nitric acid	HNO_3
Aqua regia	Nitric & hydrochloric acid	$HNO_3 + HCl$
Aromatic spirits of ammonia	Ammonia gas in alcohol	...
Arsenic glass	Arsenic trioxide	As_4O_6
Asbestos	Magnesium silicate	$Mg_3Si_2O_7•2H_2O$
Aspirin	Acetylsalicylic acid	$C_2H_3O_2C_6H_4CO_2H$
Azurite	Mineral form of basic copper carbonate	$CuCO_3$
Baking soda	Sodium bicarbonate	$NaHCO_3$
Banana oil	Amyl acetate	$CH_3CO_2C_5H_{11}$
Barium white	Barium sulfate	$BaSO_4$
Baryta	Barium oxide	BaO
Bauxite	Impure aluminum oxide	Al_2O_3
Benzol	Benzene	C_6H_6
Bicarbonate of soda	Sodium hydrogen carbonate or sodium bicarbonate	$NaHCO_3$
Bichloride of mercury	Mercuric chloride	$HgCl_2$
Bichrome	Potassium dichromate	$K_2Cr_2O_7$
Bitter salt	Magnesium sulphate	$MgSO•7H_2O$
Black ash	Crude form of sodium carbonate	Na_2CO_3
Black lead	Graphite	C
Black oxide of copper	Cupric oxide	CuO
Black oxide of mercury	Mercurous oxide	Hg_2O

Blanc-fixe	Barium sulfate	$BaSO_4$
Bleaching powder	Calcium hypochlorite	$CaOCl_2$
Blue copperas	Copper sulfate	$CuSO_4•5H_2O$
Blue lead	Lead sulfate	$PbSO_4$
Blue salts	Nickel sulfate	$NiSO_4•7H_2O$
Blue stone	Copper sulfate	$CuSO_4•5H_2O$
Blue vitriol	Copper sulfate	$CuSO_4•5H_2O$
Bone ash	Impure calcium carbonate	$CaCO_3$ + ?
Bone black	Animal charcoal	...
Boracic acid	Boric acid	H_3BO_3
Borax	Sodium borate	$Na_2B_4O_7•10H_2O$
Brimstone	Sulfur	S
Brine	Strong NaCl solution	$NaCl + H_2O$
Burnt alum	Anhydrous potassium aluminum sulfate	...
Burnt lime	Calcium oxide	CaO
Burnt ochre	Ferric oxide	Fe_2O_3
Burnt ore	Ferric oxide	Fe_2O_3
Butter of antimony	Antimony trichloride	$SbCl_3$
Butter of tin	Anhydrous stannous chloride	$SnCl_4 + H_2O$
Butter of X	Chloride or trichloride of X	...
Butter of zinc	Zinc chloride + 1/4 its weight in water	$ZnCl_2 + H_2O$
Caliche	Impure sodium nitrate	$NaNO_3$
Calomel	Mercurous chloride	Hg_2Cl_2
Carbolic acid	Phenol	C_6H_5OH
Carbonic acid gas	Carbon dioxide	CO_2
Caustic lime	Calcium hydroxide	$Ca(OH)_2$
Caustic potash	Potassium hydroxide	KOH
Caustic soda	Potassium hydroxide	KOH
Chalk	Calcium carbonate	$CaCO_3$
Chile nitre	Sodium nitrate	$NaNO_3$
Chile saltpeter	Sodium nitrate	$NaNO_3$
Chinese red	Basic lead chromate	$PbCrO_4$
Chinese white	Zinc oxide	ZnO
Chloride of lime	Calcium hypochlorite	$Ca(ClO)_2$
Chloride of soda	Sodium hypochlorite	NaOCl
Chloroform	Trichloromethane	$CHCl_3$
Chrome alum	Chromium potassium sulfate	$CrK(SO_4)_3•12H_2O$
Chrome green	Chromium oxide	Cr_2O_3
Chrome yellow	Lead chromate	$PbCrO_4$
Chromic acid	Chromium trioxide	CrO_3
Copperas	Ferrous sulfate	$FeSO_4•7H_2O$
Corrosive sublimate	Mercuric chloride	$HgCl_2$
Corundum	Aluminum oxide	Al_2O_3
Cream of tartar	Potassium bitartrate	$KHC_4H_4O_6$
Crocus powder	Ferric oxide	Fe_2O_3
Crystal carbonate	Sodium carbonate	Na_2CO_3
DDT	Dichlorodiphenyltrichloroethane	$(C_6H)*Cl_2*CH*CCl_3$
Dechlor	Sodium thiophosphate	$Na_3(PO_3)_3S$ XH_2O,

		x=12-18
Diamond	Carbon crystal	C
Dry ice	Solid carbon dioxide	CO_2
Dutch liquid	Ethylene dichloride	CH_2Cl*CH_2Cl
Emery powder	Impure aluminum oxide	Al_2O_3
Epsom salts	Magnesium sulfate	$MgSO_4•7H_2O$
Ethanol	Ethyl alcohol	C_2H_5OH
Ether	Ethyl ether	$(C_2H_5)_2O$
Farina	Starch	Complex carbohydrate
Ferro prussiate	Potassium ferricyanide	$K_3Fe(CN)_6$
Ferrum	Iron	Fe
Fixed white	Barium sulfate	$BaSO_4$
Flores Martes	Anhydrous ferric chloride	Fe_2Cl_6
Flowers of sulphur	Sulfur	S
Flowers of X	Oxide of X (X is usually a metal)	...
Fluorspar	Natural calcium fluoride	CaF_2
Formalin	Formaldehyde	HCOH
French chalk	Natural magnesium silicate	$H_2Mg_3(SiO_3)_4$
French vergidris	Basic copper acetate	$Cu(C_2H_2O_2)_2•H_20$
Galena	Natural lead sulfide	PbS
Glauber's salt	Sodium sulfate	$Na_2SO_4•10H_2O$
Grain alcohol	Ethyl alcohol	C_2H_5OH
Green verditer	Basic copper carbonate	$CuCO_3$
Green vitriol	Ferrous sulfate	$FeSO_4•7H_2O$
Gun cotton	Cellulose nitrate	$C_6H_8(NO_2)_2O_5$
Gypsum	Natural calcium sulfate	$CaSO_4•5H_2O$
Hard oil	Boiled linseed oil	...
Heavy spar	Barium sulfate	$BaSO_4$
Hydrocyanic acid	Hydrogen cyanide	HCN
Hypo	Sodium thiosulfate	$Na_2S_2O_3•5H_2O$
Indian red	Ferric oxide	Fe_2O_3
Iron perchloride	Ferric chloride	$FeCl_3•6H_2O$
Iron pernitrate	Ferric nitrate	$Fe(NO_3)_3•9H_2O$
Iron persulphate	Ferric sulfate	$Fe(SO_4)_3•nH_2O$
Iron protochloride	Ferrous chloride	$FeCl_2•4H_2O$
Isinglass	Agar-agar gelatin	...
Javelle water	Originally potassium hypochlorite solution, now usually sodium hypochlorite	Originally KOCl + H_2O, now NaOCl + H_2O
Jeweler's etchant	3 g silver nitrate + 3 g nitric acid + 3 g mercurous nitrate + 100 cc H2O	$HgNO_3•H_2O$ + $AgNO_3$ + HNO_3 + H_2O
Jeweler's rouge	Ferric oxide	Fe_2O_3
K.N.S. solution	10 g ammonium carbonate + 20 g ammonium peroxydisulphide + 200 cc ammonium hydroxide	$NH_4CO_3•H_2O$ + $(NH_4)_2S_2O_8$ + NH_4OH
Killed spirits	Zinc chloride	$ZnCl_2$
Labarraque's solution	Sodium hypochlorite solution	NaOCl + H_2O

Lampblack	Crude form of carbon, charcoal	C
Laughing gas	Nitrous oxide	N_2O
Lead peroxide	Lead dioxide	PbO_2
Lead protoxide	Lead oxide	PbO
Lime	Calcium oxide	CaO
Lime, slaked	Calcium hydroxide	$Ca(OH)_2$
Lime, unslaked	Calcium oxide	CaO
Limewater	Calcium hydroxide solution	$Ca(OH)_2 + H_2O$
Liquor ammonia	Ammonium hydroxide solution	NH_4OH
Litharge	Lead oxide	PbO
Lithopone	Zinc sulfide + barium sulfate	$ZnS + BaSO_4$
Liver of sulphur	Melted potassium carbonate + sulphur	$K_2CO_3 + S$
Lunar caustic	Silver nitrate	$AgNO_3$
Magnesia	Magnesium oxide	MgO
Magnesite	Magnesium carbonate	$MgCO_3$
Manganese black	Manganese dioxide	MnO_2
Marble	Calcium carbonate	$CaCO_3$
Marsh gas	Methane	CH_4
Mercury oxide, black	Mercury(II) oxide	HgO
Methanol	Methyl alcohol	CH_3OH
Methylated spirits	Methyl alcohol	CH_3OH
Milk of lime	Calcium hydroxide	$Ca(OH)_2$
Milk of magnesia	Magnesium hydroxide + water	$Mg(OH)_2$
Milk of sulfur	Precipitated sulfur	S
Minium	Lead tetroxide	Pb_3O_4
Muriate of mercury	Mercuric chloride	$HgCl_2$
Muriate of X	Chloride of X	...
Muriatic acid	Hydrochloric acid	HCl
Natron	Sodium carbonate	Na_2CO_3
Natural gas	Mostly methane	CH_4
Niter	Potassium nitrate	KNO_3
Nitrate of silver	Silver nitrate	$AgNO_3$
Nitre	Potassium nitrate	KNO_3
Nordhausen acid	Fuming sulfuric acid	$H_2SO_4 + SO_3$
Oil of bitter almonds	Benzaldehyde	C_6H_5CHO
Oil of mars	Deliquescent anhydrous ferric chloride	$FeCl_3 + H_2O$
Oil of mirbane	Nitrobenzene	$C_6H_5NO_3$
Oil of vitriol	Sulfuric acid	H_2SO_4
Oil of wintergreen	Methyl salicylate	$C_6H_4OHCOOCH_3$
Oleum	Fuming sulfuric acid	$H_2SO_4SO_3$
Orpiment	Arsenic trisulfide	As_2S_3
Orthophosphoric acid	Phosphoric acid	H_3PO_4
Oxymuriate of mercury	Mercuric chloride	$HgCl_2$
Oxymuriate of potassium	Potassium chlorate	$KClO_3$
Paris blue	Ferric ferrocyanide,	$Fe_7(CN)_{18}(H_2O)_x$ where $14 <= x <= 16$
Paris green	Copper aceto-arsenite	$3Cu(AsO_2)_2•Cu(C_2H$

		$_3O_2)_2$
Paris white	Powdered calcium carbonate	$CaCO_3$
Pear essence	Isoamyl acetate, also called banana oil	$C_7H_{14}O_2$
Pearl ash	Potassium carbonate	K_2CO_3
Permanent white	Barium sulfate	$BaSO_4$
Peroxide	Hydrogen peroxide solution	$H_2O_2 + H_2O$
Phosgene	Carbonyl chloride	$COCl_2$
Plaster of Paris	Calcium sulfate	$(CaSO_4)_2•H_2O$
Plumbago	Graphite	C
Potash	Potassium carbonate	K_2CO_3
Potassa	Potassium hydroxide	KOH
Precipitated chalk	Calcium carbonate	$CaCO_3$
Prussian blue	Ferric ferrocyanide	$Fe_7(CN)_{18}(H_2O)_x$ where 14 <= x <= 16
Prussic acid	Hydrocyanic acid	HCN
Purple crystals	Potassium permanganate	$KMnO_4$
Pyro	Pyrogallic acid	$C_6H_3(OH)_3$
Quicklime	Calcium oxide	CaO
Quicksilver	Mercury	Hg
Red lead	Lead tetroxide	Pb_3O_4
Red liquor	Aluminum acetate solution	$(CH_3CO_2)_2AlOH$
Red oxide of copper	Cuprous oxide	Cu_2O
Red oxide of mercury	Mercuric oxide	HgO
Red prussiate of potash	Potassium ferricyanide	$KC_3Fe(CN)_6$
Red prussiate of soda	Sodium ferrocyanide	$Na_4Fe(CN)_6$
Rochelle salt	Potassium sodium tartrate	$KNaC_4H_4O_6•4H_2O$
Rock salt	Sodium chloride	NaCl
Rouge	Ferric oxide	Fe_2O_3
Rouge, jeweler's	Ferric oxide	Fe_2O_3
Rubbing alcohol	Isopropyl alcohol	$CH_3CHOHCH_3$
Sal ammoniac	Ammonium chloride	NH_4Cl
Sal soda	Crystalline sodium carbonate	$NaHCO_3$
Sal volatile	Ammonium carbonate	$(NH_4)_2CO_3$
Saleratus	Sodium bicarbonate	$NaHCO_3$
Salt	Sodium chloride	NaCl
Salt cake	Impure sodium sulfate	Na_2SO_4
Salt of vitriol	Zinc sulfate	$ZnSO_4•7H_2O$
Salt of wormwood	Potassium carbonate	K_2CO_3
Saltpeter	Potassium nitrate	KNO_3
Saltpeter (Chile)	Impure sodium nitrate	$NaNO_3$
Salts of hartshorn	Ammonium carbonate	$(NH_4)_2CO_3$
Salts of lemon	Potassium binoxalate	$KHC_2O_4•H_2O$
Salts of sorrol	Potassium acid oxalate	$KHC_2O_4•H_2O$
Salts of tartar	Potassium carbonate	K_2CO_3
Silica	Silicon dioxide	SiO_2
Slaked lime	Calcium hydroxide	$Ca(OH)_2$
Soapstone	Impure magnesium silicate	$H_2Mg_3(SiO_3)_4$

Soda ash	Dry sodium carbonate	Na_2CO_3
Spencer's acid	3 g silver nitrate + 3 g nitric acid + 3 g mercurous nitrate + 100 cc	$HgNO_3 \cdot H_2O$ + $AgNO_3$ + HNO_3 + H_2O
Spirit of hartshorn	Ammonia gas in alcohol (Given in Gunsmith Kinks II as ammonium hydroxide)	...
Spirit of nitrous ether	Ethyl nitrate	$C_2H_5NO_2$
Spirits of salt	Hydrochloric acid	HCl
Spirits of wine	Ethyl alcohol	C_2H_5OH
Sugar of lead	Lead acetate	$Pb(C_2H_3O_2)_2 \cdot 3H_20$
Sulfuric ether	Ethyl ether	$(C_2H_5)_2O$
Sweet spirits of nitre	Ethyl nitrite solution with ethyl alcohol	$C_2H_5NO_2$ + C_2H_5OH
Talc	Magnesium silicate	$H_2Mg_3(SiO_3)_4$
Tetrachloromethane	Carbon tetrachloride	CCl_4
Tin salt	Stannous chloride	$SnCl_2$
Tincture of ferric chloride	Ferric chloride + ethyl alcohol	$FeCl_3 \cdot 6H_2O$ + C_2H_5OH
Tincture of steel	Ferric chloride + ethyl alcohol	$FeCl_3 \cdot 6H_2O$ + C_2H_5OH
TNT	Trinitrotoluene	$C_6H_2CH_3(NO_3)_3$
Toluol	Toluene	$C_6H_5CH_3$
Verdigris	Copper acetate	$Cu(C_2H_2O_2)_2 \cdot H_20$
Vinegar	Dilute and impure acetic acid	CH_3COOH
Vitriol	Sulfuric acid	H_2SO_4
Washing soda	Crystalline sodium carbonate	$NaHCO_3$
Water glass	Sodium silicate	Na_2SiO_3
White arsenic	Arsenic trioxide	As_2O_3
White lead	Basic lead carbonate	$(PbCO_3)_2 \cdot Pb(OH)_2$
White vitriol	Zinc sulfate	$ZnSO_4 \cdot 7H_2O$
Whitewash	Solution of quick lime or slaked lime used as a cheap substitute for paint.	...
Whiting	Powdered calcium carbonate	$CaCO_3$
Wood alcohol	Methyl alcohol	CH_3OH
Xylol	Xylene	$C_6H_4(CH_3)_2$
Yellow prussiate of potash	Potassium ferrocyanide	$K_4Fe(CN)_6 \cdot 3H_2O$
Zinc white	Zinc oxide	ZnO

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